



the KOSMONAUT

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ANNUAL MEETING WELL ATTENDED – PLANS SET FOR NEW YEAR

The winter weather took a break and thirteen members of KOSMO were able to drive into Wichita to attend the annual meeting. Steve and Janet Hamous again made their beautiful home available and also provided a delicious meal. Donations to the meal, with totaled \$165, were then graciously donated to the Wichita Area ARC team.

After the reading of the minutes from last year, Sharon Lanterman presented the treasurer's report with \$1371.00 in income almost balancing off the \$1305.58 in expenditure leaving a balance in checking of \$1072.13.

Next on the agenda was the election of officers which resulted in no change from last year. President Steve Saner listed off the committee leaders and emphasized that those leaders of various committees should not hesitate to enlist others members to help. Keith Ravenstein reported that our current FAA waiver is good through this September and Bill Lindsay asked that we develop a better quality certificate to give to kids in the Fly It/Take It program and requested funds to purchase 16 more "school rockets" to be used in that program. The officers and committee heads are listed on the final page of this issue.

The 2024 launch schedule was decided upon and can be found in this issue page 6. Duane Lanterman hinted that there may be some issues that will affect our high power field in the future but that is still an unknown. Dustin Wyant suggested he may have a field in the area should our present field not be available.

Next on the agenda our annual NAR contest, KRAMO, which is in its 44 year. It was decided by the majority to shorten the event to one day set for Saturday June 1 with a backup of Sunday June 2 if weather is not acceptable on Saturday. Events for the day were picked and are listed elsewhere in this issue. It will be a challenging event and will feature a choice of either "B" Payload Altitude or "B" Eggloft Duration along with 4 other events.

No one had a suggestion for a recipient of the NAR membership sponsorship. In the past we have given particularly to Junior members who which to certify Jr. Level One a club rocket kit. This kit has been extremely successful but the supply is gone. Should we have someone during the year or next year we would most likely just buy a basic LOC kit for this purpose.

Next up Steve Saner who had presented the idea of a kit bash contest to the membership handed out the kits to individuals who had expressed interest. 12 kits in all were grabbed up. Members should plan on bringing their completed projects to the May launch in Hutchinson. Judging will be based upon creativity, best flying, and perhaps other categories. Returning member Mike Mitchell expressed interest in judging. (see his profile in this issue)

There where no immediate request for using NAR Grant money although Keith Ravenstein reported on his progress on a totally wireless system he has been working on. This will support low power to high power and be capable of four 4 pad configurations. More on this as Keith builds this system. Keith also mentioned that he is still a LOC dealer and Wildman distributor so interested parties should contact him as items are available at significant savings. There were no nominations for the Traveling Trophy so it will rest at Keith's home for the year.

Finally Steve Saner gave an update on the upcoming NSL in Colorado. They have basically a 4 bedroom home reserved for those who want to attend. Presently Steve, Keith Ravenstin, Dustin and DJ Wyant, and Zac Twigg are going and there is still room for a member or two and additional members would mean cheaper house cost for each individual. Contact Steve through the club email list if you are interested.

At the end of the meeting we were able to view some pretty cool Winter projects of members. Bill Lindsay had some items for sale and several members took advantage of that. Many thanks again for the Hamous's for the use of their home.

Photos from Annual Meeting



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WELCOME BACK MICHAEL MITCHELL !

Our club recently received an inquiry about joining KOSMO. It was from former member Mike Mitchell of Wichita. Mike began his model rocketry activities in the summer of 1968, took time out for high school and college, and picked up the hobby again in late 1979. It was in the early ‘80’s that your editor (Duane Lanterman) met Mike at an early KRAMO contest where he was a teammate of Steve Hamous (one of the very first KOSMO members and current KOSMOⁿaut) Mike continued to frequent KOSMO events and then we lost track of him and his activities, although we would occasionally receive an email asking about a rocketry related project he was working on. In late 2021 Mike retired from this job and model rocketry has occupied the vast majority of his spare time building about 60 rockets since then – upsizing and downsizing – rockets he likes. He also enjoys multi-stage and cluster models. After building all those models he’s only been out to launch three times or so. He plans to launch more and hopes that KOSMO will help him with with that objective. Welcome Mike and looking forward to seeing you out on the field.

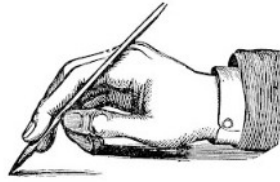


KIT BASH 2024

Twelve KOSMO members received two Estes kits, the SUPER NEON and the GUARDIAN, at the annual meeting and in May members will have a chance to show off the creations they have made from those kits. Using only the parts contained in the two kits what strange and unique models will appear on the field. Stay Tuned !!



FROM THE PRESIDENT'S PEN



As we move closer to our first launch of the year, on March 23rd, I hope that everyone has had a chance to work on a rocketry project or two. I know that it is hard to find the time with all the other things going on in our lives. Hopefully working on a hobby can be a distraction from the daily grind.

I would like to thank everyone that was able to attend our annual meeting in January. It was a good turnout and I feel good about the business items that we covered. Thank you to all of the officers and committee leads for your willingness to keep the club moving forward.

There are a few things that I would like everyone to keep in mind as we approach the flying season.

- We have not yet utilized the \$250 NAR grant for this year. If you identify any launch equipment, safety equipment, or other supplies that we could potentially use this money for, please bring it up. The NAR makes this money available to sections and we should use it if we can. Ultimately, if sections don't use these grants, they could be withdrawn.
- We also have not yet used our opportunity to grant a new rocketeer a free year of NAR membership. This used to be designated only for junior members, but is now available to anyone of any age that has never been a NAR member. If you think of someone deserving of this offer, please make that known. Like the grant money, if sections don't use this opportunity, it too may go away.
- Let us conduct our rocketry activities with safety in mind. It is important for the longevity of our hobby that we maintain the excellent safety record that the hobby enjoys. If you see something that looks unsafe or is being done outside the bounds of the safety code, please say something.
- Our members are extremely good about pitching in and helping when needed. Whether it be set up or tear down of the launch equipment, or helping someone look for a lost rocket, or offering advice to someone with questions. I can only say, thank you and keep it up. These things are what makes being a member of KOSMO enjoyable.
- If you have any concerns or suggestions about anything KOSMO related, please feel free to bring them to me. I am willing to listen and give due consideration to any ideas.

See you on the field!

Steve Saner





The Kansas Rocket Aero Modeler's Open (KRAMO) 44

June 1st (or June 2nd) in Hutchinson, KS

KRAMO will be a NAR sanctioned, National Rocketry Competition (NRC) event. Any of this year's NRC events may be flown and the results of those flights will be submitted to the [National Scoreboard](#).

The KRAMO contest will consist of a mix of NRC events and fun non-sanctioned events. Awards will be presented for each KRAMO event as well as an overall meet champion award.

Unlike some years, KRAMO 44 is planned as a one day only event. It is planned for Saturday, June 1st, 2024. However, if the weather does not appear to be good that day, the event could be moved to the following day, Sunday, June 2nd.

Sport flying of Class 1 rockets that can reasonably be recovered in the launch area will also be allowed throughout the event.

KRAMO 44 Competitive Events

Open Spot Landing (2 attempts allowed)

"1/2 A" Helicopter Duration (NRC Sanctioned Event)

"A" Rocket Glider Duration (NRC Sanctioned Event)

"B" Streamer Duration (NRC Sanctioned Event)

Choice between "B" Payload Altitude (NRC Sanctioned Event) OR "B" Eggloft Duration

Special Event Details

- The Open Spot Landing event will differ from the official rules this year. Contestants will be given two attempts at spot landing and the best of two scores will be recorded.
- The B Payload Altitude and B Eggloft Duration events, for the purpose of scoring, will be treated as two separate events. However, you may only have an entry in one of those events.
- Official NAR contest payloads will be provided. You may also provide your own payload. Be sure to check the rules regarding the official payload size and weight
- Eggs will be provided for the B Eggloft Duration KRAMO event.
- Altimeters will NOT be provided for the B Payload Altitude event. You must bring your own altimeter and it must be one of the Altimeters Approved for Contest Use.
- If winds are deemed unfavorable for recovery of B Streamer the Contest Director may, in consultation with the RSO and others, choose to change it to A Streamer Duration. Contestants will want to bring motors appropriate for either option.

Days and Times:

Saturday, June 1, 10:00am - 5:00pm

Alternate: Sunday, June 2, 10:00am - 5:00pm

Location:

Kansas State Fair Grounds Parking Lot — Hutchinson KS

Entrance Fees:

Sport Flying: Free

Competitive Flying: \$7.00 (\$14.00 for a Team) Spectators - Free



KOSMO LAUNCH CALENDAR 2024

time to leave the shop and out to the field

**MARCH 23 – SPRINGFEST – ELLINWOOD, KS. 10AM-5PM 10,000' FAA WAIVER
ALTERNATE DATE APRIL 6 BRING YOUR OWN LUNCH/DRINKS**

APRIL 20 – SPORT LAUNCH – HUTCHINSON, KS. - 10AM-4PM CLASS 1 ROCKETS

MAY 4 - SPORT LAUNCH – HUTCHINSON KS. 10AM-4PM CLASS 1 ROCKETS- BRING YOUR 2024 KITBASH ROCKETS TO THIS LAUNCH, PRIZES FOR CREATIVITY IN CONSTRUCTION, BEST FLIGHT, ETC

JUNE 1- KRAMO 44- HUTCHINSON, KS. 10AM-5PM OUR ANNUAL NAR CONTEST- FULL DETAILS ON PAGE 5 OF THIS NEWSLETTER- ALSO SPORT FLYING THROUGHOUT THE DAY CLASS 1 ROCKETS. ALTERNATE DATE IS JUNE 2ND IF SATURDAY IS SCRUBBED FROM 10AM-5PM \$7CONTEST FEE PRIZES AT THE END OF THE DAY.

JULY 6-SPORT LAUNCH- HUTCHINSON, KS. 9AM-1PM CLASS 1 ROCKETS

AUGUST 3 – SPORT LAUNCH – HUTCHINSON, KS. 9AM-1PM CLASS 1 ROCKETS

**SEPTEMBER 7 – FINAL FRONTIER FUN FLY – ELLINWOOD KS. - 10AM-5PM 10,000'FAA WAIVER
ALTERNATE DATE SEPTEMBER 14 – FREE PIZZA AT THE FIELD FOR LUNCH**

OCTOBER 5 – ROCKET'TOBER – ELLINWOOD, KS. 10AM-5PM FAA WAIVER ALTERNATE DATE OCTOBER 19

NOVEMBER 9 – NIGHT FLIGHT – 2PM – 6PM HUTCHINSON, KS. CLASS 1 ROCKETS – LIGHTED ROCKETS BEGINNING AT SUNSET

NOTES ON OUR FIELDS -

HUTCHINSON STATE FAIR GROUNDS PARKING LOT -

The parking lot at the State Fair grounds in Hutchinson is our low/mid power field. We do limit flights to Class 1 rockets (which generally means up to a G impulse motor max) that can reasonably be expected to stay within the bounds of the field.

ELLINWOOD FIELD – LANTERMAN FAMILY FARM

This is our largest and most open launch area, which means that high power rockets are allowed at this event. We will file an FAA waiver good to 10,000 ft above ground-level. Generally speaking, this will allow up to a K impulse motor. Note that you must be properly certified, or be getting your certification, to fly high power rockets. If you would like to get Level 1 or Level 2 NAR certification, we have members that can help you with that. Please contact us if you have any questions.

While high power rockets are allowed at this launch, most flights tend to be of low and mid power rockets. So do not hesitate to join us even if you are not flying high power.



CURRENT CLUB OFFICERS -

PRESIDENT/SR. ADVISOR - STEVE SANER

VICE PRESIDENT -ZAC TWIGG

SECRETARY – DUANE LANTERMAN

TREASURER – SHARON LANTERMAN

CURRENT COMMITTEE LEADS –

HISTORIAN – MARK JOHNSON

RSO – DUSTIN WYANT

CONTEST DIRECTOR – JEREMY LEPEL

FAA WAIVERS – KEITH RAVENSTEIN

FLYIT/TAKE IT – BILL LINDSAY

WEBMASTER – STEVE SANER